

July 15, 2016

The Natural Resources Agency, Department of Water Resources
Division of Integrated Regional Water Management
Financial Assistance Branch
Post Office Box 942836
Sacramento, CA 94236
Attn: Leslie Pierce

Re: Draft 2016 Water-Energy Grant Program Guidelines and PSP

Dear DWR Water-Energy Grant Program staff,

We appreciate the opportunity to submit comments on the Draft 2016 Water-Energy Grant Program Guidelines and PSP. We support the Water-Energy Grant program and applaud its objectives to significantly reduce water consumption, energy use and associated greenhouse gas emissions. In order to effectively pursue these goals, we respectfully request expanding eligible projects to further decrease water and energy use throughout California.

Nautilus Data Technologies has developed floating data centers on purpose built vessels that are directly cooled by the surrounding water. The company's innovative cooling technology reduces water consumption, achieves greater energy efficiency, and provides significant cost savings as compared to land-based data center facilities. The typical 10MW data center is responsible for over 64,000 tons of CO₂ emissions and roughly 80,000,000 gallons of water usage per year. Nautilus data centers couple patent pending cooling technology with high-density deployments to reduce water usage by 99% and energy and associated CO₂ emissions by more than 30%. Naturally cooled data centers offer a sustainable approach to a rapidly growing, energy intensive sector in California that today consumes 2% of the state's energy.

There is a need and opportunity to accelerate the adoption of data centers that consume significantly less water and energy in order to help reduce greenhouse gas emissions and achieve the State's climate change goals. We respectfully request expanding eligible projects for the Water-Energy Grant program to include deployment of innovative cooling technologies that substantially decrease both water and energy use, as well as significant carbon emission reductions.

We appreciate the opportunity to submit comments on the Draft 2016 Water-Energy Grant Program Guidelines and PSP, and strongly encourage your support in accelerating the implementation of these types of immediately deployable technologies.

Sincerely,



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